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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR			ATTORNEY DOCKET NO.
09/775,086	01/31/01	LINDHOLM		J	NVIDP010A
- 024277		WM02/0411	\neg	EXAMINER	
Kevin J. Zilka		TTT COMMENT OF THE SECOND		vo,c	
PO Box 721030				ART UNIT	PAPER NUMBER
San Jose CA	95172	,			2
				2671)
				DATE MAILED:	
					04/11/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks



Office Action Summary

Application No. **09/775,086**

Applicant(s)

Lindholm et al

Examiner

Cliff N. Vo

Group Art Unit 2671



X Responsive to communication(s) filed on <u>Jan 31, 2001</u>	
This action is FINAL .	
Since this application is in condition for allowance except for formal matters in accordance with the practice under Ex parte Quay/835 C.D. 11; 453 O.C.	
A shortened statutory period for response to this action is set to expirelonger, from the mailing date of this communication. Failure to respond within application to become abandoned. (35 U.S.C. § 133). Extensions of time may 37 CFR 1.136(a).	the period for response will cause the
Disposition of Claim	
X Claim(s) <u>1-22 and 62-68</u>	is/are pending in the applicat
Of the above, claim(s) <u>62-64</u>	is/are withdrawn from consideration
X Claim(s) <u>1-22</u>	is/are allowed.
X Claim(s) <u>65-68</u>	is/are rejected.
Claim(s)	is/are objected to.
☐ Claims	_ are subject to restriction or election requirement.
Application Papers See the attached Notice of Draftsperson's Patent Drawing Review, PTO- The drawing(s) filed on	approveddisapproved. C. § 119(a)-(d). cuments have been Bureau (PCT Rule 17.2(a)).
Attachment(s) Notice of References Cited, PTO-892 Information Disclosure Statement(s), PTO-1449, Paper No(s). Interview Summary, PTO-413 Notice of Draftsperson's Patent Drawing Review, PTO-948 Notice of Informal Patent Application, PTO-152	<u> </u>
SEE OFFICE ACTION ON THE FOLLOW	ING PAGES

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DETAILED ACTION

1. This is a divisional application of the Application Serial No. 09/456,102 filed on December 6, 2999.

2. This Office Action is in response to the Preliminary Amendment filed on January 31, 2001 which has been entered into the record of file.

Claim Objections

3. The application as originally filed had missed claim 33 (please see page 73). By rule, those claims 34-69 had been renumbered as claims 33-68, respectively.

It should be noticed that the Preliminary Amendment filed on January 31, 2001 canceled the original claims 23-32 and 34-62 (there is no claim 33 in the file as originally filed) which are renumbered as now claims 23-61. Claim 61, which is original claim 62, is independent claim. Thus, dependent claims 62-64 are objected to because they depend to a canceled claim. Accordingly, they are withdrawn from consideration.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

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(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the

applicant for patent.

5. Claims 65-68 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Van Hook

et al (U.S. Patent No. 6,166,748).

As per independent claim 65, Van Hook et al teach an interface for high performance low cost

video game system comprising a step of processing vertex data, wherein the processing the vertex

data including an inverse operation involving a W-attribute of the vertex data (col.27, lines 62-67 and

col.29, lines 7-11), a step of outputting the processed vertex data (col.29, lines 29-32), a step of

identifying a value of the inverse operation involving the W-attribute of the vertex data (Fig. 13B,

col.29, lines 7-32) and a step of clamping the value of the inverse operation if the value of the inverse

operation meets predetermined criteria (col.51, line 60 through col.52, line 13).

As per dependent claim 66, Van Hook et al further teach wherein the criteria includes the

value of the inverse operation being greater than a predetermined amount (col.29, lines 7-32).

As per dependent claims 67-68, Van Hook et al further teach the claimed features at col.51,

line 60 through col.52, line 13).

Allowable Subject Matter

6. Claims 1-22 are allowed over the cited prior art.

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Conclusion

- 7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- a. The reference of Parikh et al (U.S. Patent No. 6,175,367) is cited because it shows a method and system for real time illumination of computer generated images.
- b. The reference of Lindholm et al (U.S. Patent No. 6,198,488) is cited because it shows a transform, lighting and rasterization system embodied on a single semiconductor platform.
- 8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cliff N. Vo whose telephone number is (703) 305-9594. He can normally be reached Monday-Friday and alternate Monday from 8:00am-5:30pm.

If attempts to reach the examiner are unsuccessful, the examiner's supervisor, Mark Zimmerman, can be reached at (703) 305-9798. The fax phone number for this Group is (703) 305-9724.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3800.

April 6, 2001

CLIFF N. VO